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Attachment to

21 June 1968

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REFERENCE TO:

LARGE NEW TWIN-ROTOR  
HELICOPTERS, USSR

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1. SIGNIFICANCE:

A LARGE TWIN-ROTOR HELICOPTER IS UNDER DEVELOPMENT IN THE MOSCOW AREA. ONE HAS BEEN OBSERVED AT THE TOMILINO EXPERIMENTAL HELICOPTER PLANT, MIL, AND ANOTHER AT A SPECIALLY CONSTRUCTED TEST SITE NEAR MOSCOW/BYKOVO AIRFIELD. THESE ARE THE LARGEST KNOWN HELICOPTERS IN THE WORLD TO DATE.

2. LOCATION:

MOSCOW/BYKOVO AIRFIELD: 17 NM SE OF THE CENTER OF MOSCOW. TOMILINO PLANT: 12 NM SE FROM THE CENTER OF MOSCOW.

3. REMARKS:

THE FIRST LARGE NEW TWIN-ROTOR HELICOPTER WAS

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IT WAS LOCATED 2 NM NORTH OF THE

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MOSCOW/BYKOVO AIRFIELD. A SIMILAR HELICOPTER WAS ALSO IDENTIFIED AT TOMILINO EXPERIMENTAL HELICOPTER PLANT, MIL.

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GROUP 1: EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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4. COLLATERAL:

THERE HAVE BEEN MANY REPORTS DURING THE PAST YEAR RELATIVE TO THE SOVIET DEVELOPMENT OF A HELICOPTER LARGER THAN THE HOOK OR HARKE; HOWEVER, NONE OF THESE REPORTS HAVE BEEN CONFIRMED. CONTINUED SOVIET STATEMENTS CONCERNING PLANS AND REQUIREMENTS POINT TO THE DEVELOPMENT OF SUCH HELICOPTERS.

WHICH VISITED THE MIL DESIGN BUREAU/EXPERIMENTAL PLANT ON

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REPORTED SIGHTING A POSSIBLE NEW HELICOPTER. THE DELEGATION WAS SHOWN THROUGH THE MACHINE SHOP, BUT NOT THROUGH THE MAIN ASSEMBLY HANGAR. THE BUILDING WAS SCREENED OFF UP TO TWO-THIRDS OF ITS HEIGHT WHICH WAS APPROXIMATELY 85 FEET. ABOVE THIS SCREEN TWO LARGE ARC STRUCTURES IN JIGS COULD BE SEEN.

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5. FIRST IDENTIFICATION:

TEST FACILITY: AT TOMILINO EXPERIMENTAL HELICOPTER PLANT, MIL: MISSION

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6. NEGATION DATE:

AT THE TEST FACILITY--

AT TOMILINO EXPERIMENTAL HELICOPTER PLANT,

MIL--

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7. SUBSEQUENT COVERAGE:

FOUR KH-4 AND ONE KH-7 MISSIONS.

8. DIMENSIONS/  
SPECIFICATIONS:

NEW TWIN-ROTOR HELICOPTER BEING ASSEMBLED AT  
THE TEST SITE:

(ALL DIMENSIONS ARE APPROXIMATE)

FUSELAGE LENGTH

FUSELAGE DIAMETER

ROTOR

RADIUS OF ROTOR

DISTANCE BETWEEN  
ROTOR HUB CENTERS

105 FT

HEIGHT OF ROTORS  
FROM CONCRETE PAD

CENTER FUSELAGE HEIGHT

25 FT

ENGINE HOUSING

CONSTRUCTION STATUS

INCOMPLETE

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NEW TWIN-ROTOR HELICOPTER LOCATED AT A  
HELICOPTER DESIGN BUREAU/EXPERIMENTAL PLANT, MIL,  
TOMILINO:

FUSELAGE LENGTH

125 FT

CONSTRUCTION STATUS

PARTIALLY COMPLETE

9. MISSION READOUT: THE LARGE NEW TWIN-ROTOR HELICOPTER REPORTED ON MISSION  
[REDACTED] IS OBSERVED AGAIN. ITS POSITION ON THE LARGE CONCRETE PAD

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HAS REMAINED UNCHANGED SINCE IT WAS FIRST OBSERVED THERE IN FEBRUARY 1967;  
HOWEVER, THE CONCRETE PAD HAS BEEN ENLARGED BY A CONSIDERABLE AMOUNT. THIS  
HELICOPTER CAN NOW BE IDENTIFIED AS A STATIC TEST MODEL. IT PROBABLY WILL  
NOT BE COMPLETELY ASSEMBLED UNTIL AFTER ALL STATIC TEST REQUIREMENTS HAVE  
BEEN SATISFIED. ASSEMBLY OF THE SECOND FIVE-BLADED ROTOR HAS BEEN  
COMPLETED AND SOME TESTING HAS BEEN CONDUCTED AS EVIDENCED BY STAINS ON  
THE CONCRETE PAD IN THE AREA IMMEDIATELY BELOW EACH OF THE ENGINE  
HOUSINGS. A SECURED ABOVEGROUND FUEL TANK IS SITUATED APPROXIMATELY 800  
FEET SOUTHEAST OF THE CONCRETE PAD AND IS CONNECTED TO THE HELICOPTER BY  
AN UNDERGROUND PIPELINE. A SMALL SUPPORT BUILDING, PROBABLY FOR OBSERVING  
RUN-UP TESTS, IS LOCATED APPROXIMATELY 200 FEET WEST OF THE PAD. A SHORT  
PROBABLE RUNWAY IS UNDER CONSTRUCTION ON THE NORTH SIDE OF THE TEST SITE.  
ASSEMBLY OF ANOTHER OF THE LARGE TWIN-ROTOR HELICOPTERS IS AGAIN OBSERVED

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AT THE TOMILINO HELICOPTER EXPERIMENTAL PLANT, MIL, LOCATED 4.5 NAUTICAL MILES NORTH OF THE TEST SITE. THIS HELICOPTER IS MORE COMPLETE THAN THE ONE OBSERVED AT THE TEST SITE. THE FUSELAGE APPEARS TO BE COMPLETE; HOWEVER, ASSEMBLY HAS NOT YET BEGUN ON THE TWO FIVE-BLADED ROTORS. THE HELICOPTER DOES NOT APPEAR TO HAVE HORIZONTAL AND VERTICAL STABILIZERS AS PREVIOUSLY THOUGHT. THESE TWO NEW HELICOPTERS ARE ALMOST IDENTICAL IN SIZE AND CONFIGURATION, ALTHOUGH THEY ARE IN DIFFERENT STAGES OF ASSEMBLY.

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